

We claim:

1. A self cleaning litter box comprising:
a non-attached litter cartridge;
a rake assembly for combing through said litter cartridge during a cleaning stroke from a first position to a second position;
a drive assembly for driving said rake assembly; and
a chassis for carrying said rake assembly, said chassis also configured to receive said non-attached litter cartridge.
2. The self-cleaning litter box as recited in claim 1, wherein said litter cartridge, includes a cover hinged on one end.
3. The self-cleaning litter-box as recited in claim 1, wherein said rake assembly and said drive assembly is configured to travel in a single plane.
4. A rake assembly for a self-cleaning litter box, the rake assembly comprising:
a frame for carrying a plurality of spaced apart tines, said tines configured as flexible members.
5. The rake assembly as recited in claim 4, wherein said tines are formed from metal.
6. The rake assembly as recited in claim 5, wherein said tines are formed with a bend defining two legs.
7. The rake assembly as recited in claim 4, wherein each pair of tines are formed from a U-shaped length of wire.
8. A litter cartridge for use with a self-cleaning litter box, the litter cartridge comprising:
a tray configured to be received in said self-cleaning litter box;
litter, said litter filling said removable tray to a fill line; and

a removable cover for closing said removable tray in a storage position, said cover removed when said cartridge is received in said self-cleaning litter box.